

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6405266".pn.	US-PGPUB; USPAT	OR	ON	2011/02/15 08:17
S1	86	pipeline near2 accelerator	US-PGPUB; USPAT	OR	ON	2006/06/19 11:11
S2	884	pipeline with accelerat\$3	US-PGPUB; USPAT	OR	ON	2006/06/19 11:11
S3	220	pipeline near2 accelerat\$3	US-PGPUB; USPAT	OR	ON	2006/10/03 13:45
S4	26	pipeline near2 accelerat\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/19 11:17
S5	0	accelerat\$3 with load\$3 with process\$3 with external and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/19 11:17
S6	44	accelerat\$3 with load\$3 with process\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/20 08:19
S7	3	("5583964" "4956771" "5892962").pn.	US-PGPUB; USPAT	OR	ON	2006/06/20 10:21
S8	10	mccarthy-paul.in.	US-PGPUB; USPAT	OR	ON	2006/06/20 10:52
S9	1	"5619430".pn.	US-PGPUB; USPAT	OR	ON	2006/06/20 10:53
S10	1	"6205400".pn.	US-PGPUB; USPAT	OR	ON	2006/06/20 10:54
S11	8	"raw data" with (coprocessor co-processor) same (buffer queue FIFO)	US-PGPUB; USPAT	OR	ON	2006/06/20 10:56
S12	31	"raw data" with (coprocessor co-processor)	US-PGPUB; USPAT	OR	ON	2006/06/20 14:51
S13	171	"raw data" with (slave PE DSP)	US-PGPUB; USPAT	OR	ON	2006/06/20 14:51
S14	9	"raw data" with (slave PE DSP) and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/20 14:54
S15	12	"processed data" with (coprocessor co-processor) and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/20 14:54
S16	1	(US-6624819-\$).did.	USPAT	OR	ON	2006/06/21 08:41
S17	1	S16 and "160" with ("204" "206")	US-PGPUB; USPAT	OR	ON	2006/06/21 10:16
S18	165	output near2 queue with (address\$2 pointer) near3 memory	US-PGPUB; USPAT	OR	ON	2006/06/21 10:22
S19	77	output near2 queue near5 (address\$2 pointer) near2 memory	US-PGPUB; USPAT	OR	ON	2006/06/21 10:17
S20	19	output near2 queue near5 (address\$2 pointer) near2 memory and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/06/21 10:17
S21	34	output near2 queue with (address\$2 pointer) near3 memory and g06f\$.ipc. not S20	US-PGPUB; USPAT	OR	ON	2006/06/21 11:06

S22	482	address near2 queue with (address\$2 pointer) near3 memory and g06f\$.ipc. not S20	US-PGPUB; USPAT	OR	ON	2006/06/21 10:22
S23	2	opcode near3 coprocessor with (send\$3 transfer\$4 transmit\$4) with instruction	US-PGPUB; USPAT	OR	ON	2006/06/22 08:39
S30	1480	receiv\$3 near3 data same tempora\$4 near3 stor\$3 same process\$3 near3 data same ((transmi\$5 send\$3 pass\$3) near4 data	US-PGPUB; USPAT	OR	ON	2006/09/27 14:42
S31	538	((receiv\$3 near3 data with tempora\$4 near3 stor\$3) same (process\$3 near3 data) same ((transmi\$5 send\$3 pass\$3) near3 data with process\$3)	US-PGPUB; USPAT	OR	ON	2006/09/27 14:43
S32	5	((receiv\$3 near3 data with tempora\$4 near3 stor\$3) same (process\$3 near3 data) same ((transmi\$5 send\$3 pass\$3) near3 data with process\$3) same (pipeline accelerat\$3)	US-PGPUB; USPAT	OR	ON	2006/09/27 14:45
S33	1	((data near3 tempora\$4 near3 stor\$3) with (prior before) near3 process\$3) same ((transmi\$5 send\$3 pass\$3) same (pipeline accelerat\$3))	US-PGPUB; USPAT	OR	ON	2006/09/28 08:37
S34	84	((processor pipeline) with first near3 integrated adj circuit) and (memory DRAM) with (separate second) near3 integrated adj circuit	US-PGPUB; USPAT	OR	ON	2006/09/28 08:41
S35	177	((processor pipeline) with memory with separate near3 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:42
S36	38	((processor pipeline) with memory with separate near3 integrated adj circuit) same advantag\$4	US-PGPUB; USPAT	OR	ON	2006/09/28 08:46
S37	3	((processor pipeline) with memory with separate near3 integrated adj circuit) same (faster speed failure)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:47
S38	0	((processor pipeline) with memory with separate near3 integrated adj circuit) same (fail\$3)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:47
S39	0	((processor pipeline) with memory with distinct near3 integrated adj circuit) same (fail\$3)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:47
S40	73	((processor pipeline) with memory with integrated adj circuit) same (fail\$3)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:51
S41	237	((processor pipeline) with memory with (unique separate different) near3 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2006/10/03 13:48
S42	41	((processor pipeline) with memory with (unique separate different) near3 integrated adj circuit) same (benefi\$5 advantag\$6)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:54
S43	417	((processor pipeline) with memory with integrated adj circuit) same (benefi\$5 advantag\$6)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:54
S44	73	((processor pipeline) with memory with single near3 integrated adj circuit) same (benefi\$5 advantag\$6)	US-PGPUB; USPAT	OR	ON	2006/09/28 08:56
S45	1	((processor pipeline) with memory with (two multiple plurality) near3 integrated	US-PGPUB; USPAT	OR	ON	2006/09/28 09:25

		adj circuit) same (benefi\$5 advantag\$6)				
S46	18	((processor pipeline) near5 (first second) near2 integrated adj circuit) same (memory near5 (first second) near2 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:27
S47	0	((processor pipeline) near5 (first second) near2 integrated adj circuit) same (DRAM near5 (first second) near2 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:27
S48	0	((processor pipeline) near5 (first second) near2 integrated adj circuit) same (RAM near5 (first second) near2 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:27
S49	130	((processor pipeline) near5 (first second) near2 chip) same ((RAM memory DRAM) near5 (first second) near2 chip)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:28
S50	3	((processor pipeline) near5 (first second) near2 chip) same ((RAM memory DRAM) near5 (first second) near2 chip) same (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:29
S51	15	((processor pipeline) with (DRAM RAM memory) with separate near2 chip) same (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:39
S52	85	((processor pipeline) with (DRAM RAM memory) with (off-chip "off chip")) same (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:43
S53	21	((processor pipeline) with (DRAM RAM memory) with (off-chip "off chip")) with (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2006/09/28 09:41
S54	64	S52 not S53	US-PGPUB; USPAT	OR	ON	2006/09/28 10:12
S55	49	(memory DRAM RAM) with ("off chip" off-chip) with (cheap\$2 expensive)	US-PGPUB; USPAT	OR	ON	2006/09/28 10:41
S56	0	("register file") with ("off chip" off-chip) with (cheap\$2 expensive)	US-PGPUB; USPAT	OR	ON	2006/09/28 10:42
S57	86	("register file") with ("off chip" off-chip)	US-PGPUB; USPAT	OR	ON	2006/09/28 10:43
S58	48	("register file") near3 ("off chip" off-chip)	US-PGPUB; USPAT	OR	ON	2006/09/28 11:04
S59	199	((coprocessor accelerator DSP PE assist) with (read\$3 receiv\$3) with data with (buffer memory) with processor) same (process\$3 near3 data) same (writ\$3 send\$3 transmit\$4) with data with (buffer memory)	US-PGPUB; USPAT	OR	ON	2006/09/28 11:07
S60	22	((coprocessor accelerator DSP PE assist) with (read\$3 receiv\$3) with data with (buffer memory) with processor) same (process\$3 near3 data) same (writ\$3 send\$3 transmit\$4) with data with (buffer memory) and "712"/\$.cds.	US-PGPUB; USPAT	OR	ON	2006/09/28 11:59
S61	27742	buffer with ("integrated circuit" chip)	US-PGPUB; USPAT	OR	ON	2006/09/28 11:59
S62	6	buffer near3 separate near3 ("integrated circuit" chip) with (processor pipeline)	US-PGPUB; USPAT	OR	ON	2006/09/29 11:20
S63	34	buffer near3 ((separate near3 ("integrated circuit" chip)) (off-chip "off	US-PGPUB; USPAT	OR	ON	2006/09/28 12:01

		chip")) with (processor pipeline)				
S64	44	buffer near3 ((separate near3 ("integrated circuit" chip)) (off-chip "off chip")) with (processor pipeline CPU)	US-PGPUB; USPAT	OR	ON	2006/09/29 08:11
S65	1	"6205400".pn.	US-PGPUB; USPAT	OR	ON	2006/09/29 08:11
S66	7	("2" two) near2 stage near3 (multiplier multiply multiplication) with latch	US-PGPUB; USPAT	OR	ON	2006/09/29 11:23
S67	38	multiply adj accumulate with latch	US-PGPUB; USPAT	OR	ON	2006/09/29 11:28
S68	0	coprocessor same multiply adj accumulate with latch	US-PGPUB; USPAT	OR	ON	2006/09/29 11:28
S69	47	coprocessor with multipl\$7 adj accumulat\$3	US-PGPUB; USPAT	OR	ON	2006/09/29 13:10
S70	276	pointer with data with "input buffer"	US-PGPUB; USPAT	OR	ON	2006/09/29 13:10
S71	38	pointer with next with data with "input buffer"	US-PGPUB; USPAT	OR	ON	2006/09/29 13:12
S72	7	read adj pointer with "input buffer" and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:14
S73	20	pointer with "input buffer" and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:16
S74	3	pointer with buffer with input with (execution functional) near2 unit and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:18
S75	43	pointer with buffer with input with read\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:19
S76	151	pointer with buffer with (operand data) with read\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:19
S77	29	pointer with buffer with operand with read\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:22
S78	125	read near3 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:23
S79	112	read near2 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:24
S80	24	queue near3 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:34
S81	13	queue near2 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:35
S82	25	(queue fifo) near2 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 13:38
S83	5	stor\$3 near5 buffer near2 pointer near5 queue and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 15:43
S84	14	processor with coprocessor with separate near3 (chip "integrated circuit")	US-PGPUB; USPAT	OR	ON	2006/09/29 16:26
S85	109	"front end" with separate near3 (chip "integrated circuit")	US-PGPUB; USPAT	OR	ON	2006/09/29 16:27
S86	61	"front end" near3 separate near3 (chip "integrated circuit")	US-PGPUB; USPAT	OR	ON	2006/09/29 16:27
S87	0	"front end" near3 separate near3 (chip "integrated circuit") and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/29 16:27
S88	4	"front end" with separate near3 (chip "integrated circuit") and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/02 09:34

S89	3	coprocessor with execut\$3 with (division divide) near3 (operation instruction) and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/02 12:36
S90	319	712/34.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/02 15:02
S91	250	712/35.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/02 15:03
S92	405	712/200.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/02 15:04
S93	595	712/225.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/02 15:08
S94	1	"6282627".pn.	US-PGPUB; USPAT	OR	ON	2006/10/02 15:08
S95	67	pipeline near2 accelerat\$3	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 13:48
S96	3	((processor pipeline) with memory with (unique separate different) near3 integrated adj circuit)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 13:49
S97	4	coprocessor with message with header	US-PGPUB; USPAT	OR	ON	2007/05/04 10:46
S98	22	coprocessor with (packet instruction) with header	US-PGPUB; USPAT	OR	ON	2007/05/04 10:47
S99	12	("4991133"   "5619497"   "5991299"   "6317837"   "6408001"   "6434620"   "6496704"   "6498793"   "6661794"   "6687757"   "6757725"   "6789147").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 11:13
S100	10	S99 and header	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 11:13
S101	7	S99 and header same \$2processor	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 11:13
S102	155	tag with destination with register with (result data)	US-PGPUB; USPAT	OR	ON	2007/05/04 14:18
S103	0	tag with destination with register with (result data) with coprocessor	US-PGPUB; USPAT	OR	ON	2007/05/04 14:18
S105	67	huismen.xa.	US-PGPUB; USPAT	OR	ON	2007/12/12 16:11
S106	22	nakajima.in. and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/12 18:00
S107	9	nakagoshi.in. and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 10:57
S108	0	coprocessor with header with register with destination	US-PGPUB; USPAT	OR	ON	2007/12/13 10:57
S109	3	coprocessor with (message packet) with register with destination	US-PGPUB; USPAT	OR	ON	2007/12/13 11:01
S110	6480	first near2 (PE element processor) same (second next) near2 (PE element processor) same (message packet data) with (transfer\$4 transmit\$4 pass\$3	US-PGPUB; USPAT	OR	ON	2007/12/13 11:02

		send\$3)				
S111	48	first near2 (PE element processor) same (second next) near2 (PE element processor) same (message packet data) with (transfer\$4 transmit\$4 pass\$3 send\$3) same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 11:10
S112	0	first near2 PE with second near2 PE with message same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 11:10
S113	1544	first near2 PE ("processing element") with second near2 (PE "processing element") same header same result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 11:26
S114	1544	first near2 PE ("processing element") with second near2 (PE "processing element") with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 11:27
S115	0	first near2 (PE "processing element") with second near2 (PE "processing element") with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 11:27
S117	0	(PE "processing element") with message with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 11:28
S118	0	(PE "processing element") with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 11:28
S119	28	(PE "processing element") with message with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 13:17
S120	10	(PE "processing element") with among with message same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 13:18
S121	0	(PE "processing element") with amongst with message same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/13 13:18
S122	1	(US-4985832-\$.) did.	USPAT	OR	ON	2007/12/13 13:48
S123	1	S122 and memory with message	USPAT	OR	ON	2007/12/13 18:16
S124	706	latch near2 memory near2 address	USPAT	OR	ON	2007/12/13 18:17
S125	474	latch near2 memory near2 address and (advantage benefit)	USPAT	OR	ON	2007/12/13 18:17
S126	1	latch near2 memory near2 address with (advantage benefit)	USPAT	OR	ON	2007/12/13 18:17
S127	405	latch near2 (memory adj address)	USPAT	OR	ON	2007/12/13 18:20
S128	262	latch with (provid\$3 allow\$3) with (synchronous synchronized)	USPAT	OR	ON	2007/12/13 18:21
S129	1	latch with (provid\$3 allow\$3) with (synchronous synchronized) same (advantage benefit)	USPAT	OR	ON	2007/12/13 18:21
S130	49	latch with (provid\$3 allow\$3) with (synchronous synchronized) and g06f\$.ipc.	USPAT	OR	ON	2007/12/13 18:22
S131	98	pipeline near2 accelerator	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S132	1038	pipeline with accelerat\$3	US-PGPUB; USPAT	OR	ON	2007/12/14

			USPAT			11:38
S133	261	pipeline near2 accelerat\$3	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S134	47	pipeline near2 accelerat\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S135	2	accelerat\$3 with load\$3 with process\$3 with external and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S136	71	accelerat\$3 with load\$3 with process\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S137	3	("5583964" "4956771" "5892962").pn.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S138	10	mccarthy-paul.in.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S139	1	"5619430".pn.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S140	1	"6205400".pn.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S141	8	"raw data" with (coprocessor co- processor) same (buffer queue FIFO)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S142	42	"raw data" with (coprocessor co- processor)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S143	208	"raw data" with (slave PE DSP)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S144	9	"raw data" with (slave PE DSP) and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S145	19	"processed data" with (coprocessor co- processor) and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S146	1	(US-6624819-\$.) did.	USPAT	OR	ON	2007/12/14 11:38
S147	1	S146 and "160" with ("204" "206")	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S148	193	output near2 queue with (address\$2 pointer) near3 memory	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S149	90	output near2 queue near5 (address\$2 pointer) near2 memory	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S150	21	output near2 queue near5 (address\$2 pointer) near2 memory and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S151	38	output near2 queue with (address\$2 pointer) near3 memory and g06f\$.ipc. not S150	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S152	551	address near2 queue with (address\$2 pointer) near3 memory and g06f\$.ipc. not S150	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S153	2	opcode near3 coprocessor with (send\$3 transfer\$4 transmit\$4) with instruction	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S154	1791	receiv\$3 near3 data same tempora\$4 near3 stor\$3 same process\$3 near3 data same (transmi\$5 send\$3 pass\$3) near4 data	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S155	22	(receiv\$3 near3 data with tempora\$4 near3 stor\$3) same (process\$3 near3 data) same ((transmi\$5 send\$3 pass\$3) near3 data with process\$3) same (pipeline accelerat\$3)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S156	1	((data near3 tempora\$4 near3 stor\$3)	US-PGPUB;	OR	ON	2007/12/14

		with (prior before) near3 process\$3) same ((transmi\$5 send\$3 pass\$3) same (pipeline accelerat\$3))	USPAT			11:38
S157	658	((receiv\$3 near3 data with tempora\$4 near3 stor\$3) same (process\$3 near3 data) same ((transmi\$5 send\$3 pass\$3) near3 data with process\$3)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S158	100	("register file") with ("off chip" off-chip)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S159	98	((processor pipeline) with memory with integrated adj circuit) same (fail\$3)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S160	108	((processor pipeline) with first near3 integrated adj circuit) and (memory DRAM) with (separate second) near3 integrated adj circuit	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S161	27	((processor pipeline) with (DRAM RAM memory) with (off-chip "off chip")) with (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S162	0	((processor pipeline) with memory with separate near3 integrated adj circuit) same (fail\$3)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S163	48	("register file") near3 ("off chip" off- chip)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:38
S164	59	(memory DRAM RAM) with ("off chip" off-chip) with (cheap\$2 expensive)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S165	49	((processor pipeline) with memory with (unique separate different) near3 integrated adj circuit) same (benefi\$5 advantag\$6)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S166	3	((processor pipeline) with memory with separate near3 integrated adj circuit) same (faster speed failure)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S167	44	((processor pipeline) with memory with separate near3 integrated adj circuit) same advantag\$4	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S168	219	((processor pipeline) with memory with separate near3 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S169	0	((processor pipeline) with memory with distinct near3 integrated adj circuit) same (fail\$3)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S170	0	((processor pipeline) near5 (first second) near2 integrated adj circuit) same (RAM near5 (first second) near2 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S171	3	((processor pipeline) near5 (first second) near2 chip) same ((RAM memory DRAM) near5 (first second) near2 chip) same (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S172	522	((processor pipeline) with memory with integrated adj circuit) same (benefi\$5 advantag\$6)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S173	0	((processor pipeline) near5 (first second) near2 integrated adj circuit) same (DRAM near5 (first second) near2 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S174	298	((processor pipeline) with memory with (unique separate different) near3	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39



		integrated adj circuit)				
S175	163	((processor pipeline) near5 (first second) near2 chip) same ((RAM memory D\$RAM) near5 (first second) near2 chip)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S176	93	((processor pipeline) with memory with single near3 integrated adj circuit) same (benefi\$5 advantag\$6)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S177	20	((processor pipeline) near5 (first second) near2 integrated adj circuit) same (memory near5 (first second) near2 integrated adj circuit)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S178	1	((processor pipeline) with memory with (two multiple plurality) near3 integrated adj circuit) same (benefi\$5 advantag\$6)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S179	24	((processor pipeline) with (DRAM RAM memory) with separate near2 chip) same (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S180	98	((processor pipeline) with (DRAM RAM memory) with (off-chip "off chip")) same (benefi\$5 advantag\$4)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S181	0	("register file") with ("off chip" off-chip) with (cheap\$2 expensive)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S182	71	S180 not S161	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S183	37	buffer near3 ((separate near3 ("integrated circuit" chip)) (off-chip "off chip")) with (processor pipeline)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S184	251	((coprocessor accelerator DSP PE assist) with (read\$3 receiv\$3) with data with (buffer memory) with processor) same (process\$3 near3 data) same (writ\$3 send\$3 transmit\$4) with data with (buffer memory)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S185	32010	buffer with ("integrated circuit" chip)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S186	30	((coprocessor accelerator DSP PE assist) with (read\$3 receiv\$3) with data with (buffer memory) with processor) same (process\$3 near3 data) same (writ\$3 send\$3 transmit\$4) with data with (buffer memory) and "712"/\$.cds.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S187	48	buffer near3 ((separate near3 ("integrated circuit" chip)) (off-chip "off chip")) with (processor pipeline CPU)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S188	6	buffer near3 separate near3 ("integrated circuit" chip) with (processor pipeline)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S189	1	"6205400".pn.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S190	7	("2" two) near2 stage near3 (multiplier multiply multiplication) with latch	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S191	54	coprocessor with multipl\$7 adj accumul\$3	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S192	42	multiply adj accumulate with latch	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S193	0	coprocessor same multiply adj accumulate with latch	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39

S194	26	pointer with "input buffer" and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S195	32	pointer with buffer with operand with read\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S196	313	pointer with data with "input buffer"	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S197	8	pointer with buffer with input with (execution functional) near2 unit and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S198	44	pointer with next with data with "input buffer"	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S199	54	pointer with buffer with input with read\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S200	196	pointer with buffer with (operand data) with read\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S201	10	read adj pointer with "input buffer" and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S202	142	read near2 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S203	155	read near3 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S204	31	(queue fifo) near2 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S205	18	queue near2 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S206	7	stor\$3 near5 buffer near2 pointer near5 queue and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S207	31	queue near3 pointer near3 buffer and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S208	17	processor with coprocessor with separate near3 (chip "integrated circuit")	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S209	141	"front end" with separate near3 (chip "integrated circuit")	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S210	4	"front end" with separate near3 (chip "integrated circuit") and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S211	0	"front end" near3 separate near3 (chip "integrated circuit") and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S212	78	"front end" near3 separate near3 (chip "integrated circuit")	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S213	4	coprocessor with execut\$3 with (division divide) near3 (operation instruction) and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S214	370	712/34.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S215	270	712/35.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S216	437	712/200.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S217	683	712/225.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S218	1	*6282627*.pn.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S219	3	((processor pipeline) with memory with	USOOR;	OR	ON	2007/12/14

		(unique separate different) near3 integrated adj circuit)	FPRS; EPO; JPO; DERWENT; IBM TDB			11:39
S220	71	pipeline near2 accelerat\$3	USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB	OR	ON	2007/12/14 11:39
S221	12	("4991133"   "5619497"   "5991299"   "6317837"   "6408001"   "6434620"   "6496704"   "6498793"   "6661794"   "6687757"   "6757725"   "6789147").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/14 11:39
S222	7	S221 and header same \$2processor	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/14 11:39
S223	5	coprocessor with message with header	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S224	157	tag with destination with register with (result data)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S225	10	S221 and header	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/14 11:39
S226	24	coprocessor with (packet instruction) with header	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S227	0	tag with destination with register with (result data) with coprocessor	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S228	67	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S229	22	nakajima.in. and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S230	9	nakagoshi.in. and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S231	0	coprocessor with header with register with destination	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S232	3	coprocessor with (message packet) with register with destination	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S233	0	(PE "processing element") with message with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S234	6480	first near2 (PE element processor) same (second next) near2 (PE element processor) same (message packet data) with (transfer\$4 transmit\$4 pass\$3 send\$3)	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S235	1544	first near2 PE ("processing element") with second near2 (PE "processing element") with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S236	0	first near2 (PE "processing element") with second near2 (PE "processing element") with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39
S237	1544	first near2 PE ("processing element") with second near2 (PE "processing element") same header same result and	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39

		"712"/\$.ccls.					
S238	0	first near2 PE with second near2 PE with message same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39	
S239	28	(PE "processing element") with message with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39	
S240	0	(PE "processing element") with header with result and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39	
S241	48	first near2 (PE element processor) same (second next) near2 (PE element processor) same (message packet data) with (transfer\$4 transmit\$4 pass\$3 send\$3) same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39	
S242	10	(PE "processing element") with among with message same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39	
S243	1	(US-4985832-\$).did.	USPAT	OR	ON	2007/12/14 11:39	
S244	1	S243 and memory with message	USPAT	OR	ON	2007/12/14 11:39	
S245	0	(PE "processing element") with amongst with message same array and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/14 11:39	
S246	706	latch near2 memory near2 address	USPAT	OR	ON	2007/12/14 11:39	
S247	474	latch near2 memory near2 address and (advantage benefit)	USPAT	OR	ON	2007/12/14 11:39	
S248	1	latch near2 memory near2 address with (advantage benefit)	USPAT	OR	ON	2007/12/14 11:39	
S249	49	latch with (provid\$3 allow\$3) with (synchronous synchronized) and g06/\$.ipc.	USPAT	OR	ON	2007/12/14 11:39	
S250	1	latch with (provid\$3 allow\$3) with (synchronous synchronized) same (advantage benefit)	USPAT	OR	ON	2007/12/14 11:39	
S251	405	latch near2 (memory adj address)	USPAT	OR	ON	2007/12/14 11:39	
S252	262	latch with (provid\$3 allow\$3) with (synchronous synchronized)	USPAT	OR	ON	2007/12/14 11:39	
S253	42	(2001/0014937 2001/0025338 2002/0087829 2003/0009651 2003/0061409 2003/0177223 2004/0019771 2004/0019883 2004/0045015 2004/0061147 2004/0064198 2004/0130927 2004/0133763 2004/0136241 2004/0153752 2004/0170070 2005/0104743 2006/0123282 2006/0236018 2007/0055907 "4703475" "4873626" "5283883" "5317752" "5623418" "5640107" "5655069" "5784636" "5801958" "5867399" "5910897" "5916307" "5931959" "5933356" "6018793" "6023742" "6049222" "6096091" "6108693" "6112288" "6205516" "6216191" "6216252" "6247118" "6253276" "6282627" "6308311" "6324678" "6326806" "6470482" "6625749"	US-PGPUB; USPAT	OR	ON	2008/08/08 13:26	

		"6662285" "6684314" "6769072" "6785842" "6829697" "6839873" "6982976" "7117390" "7134047" "7137020" "7228520").pn.				
S254	20	("20010014937" "20010025338" "20020087829" "20030009651" "20030061409" "20030177223" "20040019771" "20040019883" "20040045015" "20040061147" "20040064198" "20040130927" "20040133763" "20040136241" "20040153752" "20040170070" "20050104743" "20060123282" "20060236018" "20070055907").pn.	US-PGPUB; USPAT	OR	ON	2008/08/08 13:27
S255	16	fpga near3 (pipeline accelerator) and (data message packet) same header same destination same (fpga pipeline accelerator)	US-PGPUB; USPAT	OR	ON	2008/08/18 14:30
S256	1	"6282627".pn.	US-PGPUB; USPAT	OR	ON	2008/08/18 14:37
S257	1	"6982976".pn.	US-PGPUB; USPAT	OR	ON	2008/08/18 14:43
S258	298	(data message packet) same header same destination same (fpga pipeline accelerator)	US-PGPUB; USPAT	OR	ON	2008/08/18 14:46
S259	116	(data message packet) same header same destination same (fpga accelerator)	US-PGPUB; USPAT	OR	ON	2008/08/18 14:47
S260	82	(data message packet) same header same destination same fpga	US-PGPUB; USPAT	OR	ON	2008/08/18 14:47
S261	15	(data message packet) same header same destination same fpga and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/18 14:47
S262	0	coprocessor with fpga same hardware same without near2 (software instruction)	US-PGPUB; USPAT	OR	ON	2008/08/18 15:38
S263	38	coprocessor with implement\$5 with fpga	US-PGPUB; USPAT	OR	ON	2008/08/18 15:39
S264	103	fpga same without near2 (software instruction)	US-PGPUB; USPAT	OR	ON	2008/08/18 15:40
S265	67	fpga same hardware same without near2 (software instruction)	US-PGPUB; USPAT	OR	ON	2008/08/18 15:40
S266	42	fpga same hardware same without adj2 (software instruction)	US-PGPUB; USPAT	OR	ON	2008/08/18 15:41
S267	0	fpga same hardware same without adj2 instruction	US-PGPUB; USPAT	OR	ON	2008/08/18 15:41
S268	0	fpga same without adj2 instruction	US-PGPUB; USPAT	OR	ON	2008/08/18 15:41
S269	0	"coprocessor ID" same CID	US-PGPUB; USPAT	OR	ON	2008/08/18 15:48
S270	17	(coprocessor and interface).ti.	US-PGPUB; USPAT	OR	ON	2008/08/18 15:48
S271	409	712/34.cds.	US-PGPUB; USPAT	OR	ON	2008/08/18 15:49
S272	80	712/34.cds. and coprocessor.ti.	US-PGPUB; USPAT	OR	ON	2008/08/18 15:50

S273	22	coprocessor.ti. and coprocessor with ID	US-PGPUB; USPAT	OR	ON	2008/08/18 15:50
S276	5671	any with logic with implement\$5 with fpga	US-PGPUB; USPAT	OR	ON	2008/08/18 16:23
S277	23	(any all) adj logic with implement\$5 with fpga	US-PGPUB; USPAT	OR	ON	2008/08/18 16:23
S278	18	(any all) adj logic with implement\$5 with field adj programmable adj gate adj array	US-PGPUB; USPAT	OR	ON	2008/08/18 16:25
S279	5	(pipeline accelerator) with burn\$2 with (die chip substrate)	US-PGPUB; USPAT	OR	ON	2008/08/18 16:26
S280	141	logic with burn\$2 with (die chip substrate)	US-PGPUB; USPAT	OR	ON	2008/08/18 16:27
S281	25	logic with burn\$2 with (die chip substrate) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/18 16:27
S282	0	coprocessor with burn\$2 with (die chip substrate) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/18 16:28
S283	123	process\$3 near2 data with without near3 execut\$3 near3 instruction	US-PGPUB; USPAT	OR	ON	2008/08/18 16:50
S284	41	process\$3 near2 data with without adj3 execut\$3 adj3 instruction	US-PGPUB; USPAT	OR	ON	2008/08/18 16:50
S285	19	process\$3 near2 data with without adj execut\$3 adj3 instruction	US-PGPUB; USPAT	OR	ON	2008/08/18 16:50
S286	21	(processor CPU master) with offload\$3 with fpga	US-PGPUB; USPAT	OR	ON	2008/08/18 16:57
S287	3	(processor CPU master) with offload\$3 with (pld pla)	US-PGPUB; USPAT	OR	ON	2008/08/18 16:59
S288	9	(processor CPU master) with (coupl\$3 connect\$3) with (multiple plurality) near2 fpga	US-PGPUB; USPAT	OR	ON	2008/08/19 09:20
S289	22	(processor CPU master) with fpga adj array	US-PGPUB; USPAT	OR	ON	2008/08/19 09:23
S290	2	(processor CPU master) with (coupl\$3 connect\$3) with (multiple plurality) near2 fpga	USOOR; FPRS; EPO; JPO; DERWENT; IBM.TDB	OR	ON	2008/08/19 09:24
S291	117	(processor CPU master) with (connect\$3 coupl\$3) with \$2configur\$5 with logic with block	US-PGPUB; USPAT	OR	ON	2008/08/19 09:27
S292	26	(processor CPU master) with (connect\$3 coupl\$3) with (multiple plurality array) with \$2configur\$5 with logic with block	US-PGPUB; USPAT	OR	ON	2008/08/19 09:27
S293	3	("5757207"   "5768598"   "5883526").FN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/19 09:40
S294	5	("5864554"   "5943481"   "5950012"   "6012099"   "6070003").FN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/19 09:53
S295	3	(processor CPU master) with (connect\$3 coupl\$3) with (multiple plurality array) with CLB	US-PGPUB; USPAT	OR	ON	2008/08/19 09:55
S296	471	(CLB (\$2configur\$5 adj logic adj block)) with memory with data	US-PGPUB; USPAT	OR	ON	2008/08/19 09:57
S297	19	(CPU master processor) with (CLB (\$2configur\$5 adj logic adj block)) with	US-PGPUB; USPAT	OR	ON	2008/08/19 09:58

		(memory RAM buffer queue fifo) with (data operand)				
S298	102	(CPU master processor) with accelerator and accelerator with (MAC (multipl\$7 with accumul\$3))	US-PGPUB; USPAT	OR	ON	2008/08/19 11:59
S299	37	(CPU master processor) with accelerator and (accelerator with (MAC (multipl\$7 with accumul\$3)) same (buffer memory queue register fifo) with (source operand data input value))	US-PGPUB; USPAT	OR	ON	2008/08/19 12:01
S300	18	(CPU master processor) with accelerator and (accelerator with (MAC (multipl\$7 with accumul\$3)) same (buffer memory queue register fifo) with (source operand data input value)) and header	US-PGPUB; USPAT	OR	ON	2008/08/19 12:12
S301	727	"configurable logic block" and ("configurable logic block" CLB) with (buffer memory queue register fifo) with (source operand data input value)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:18
S302	57	"configurable logic block" and ("configurable logic block" CLB) with (buffer memory queue register fifo) with (source operand data input value) and header	US-PGPUB; USPAT	OR	ON	2008/08/19 12:18
S303	1	"configurable logic block" and ("configurable logic block" CLB) with (buffer memory queue register fifo) with (source operand data input value) and header and "712"/\$.cds.	US-PGPUB; USPAT	OR	ON	2008/08/19 12:19
S304	564	broadcast\$3 with (instruction message) with (advantag\$4 benefi\$4)	US-PGPUB; USPAT	OR	ON	2008/08/19 13:04
S305	147	broadcast\$3 with (instruction message) with (advantag\$4 benefi\$4) and g06i\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/19 13:04
S306	118	broadcast\$3 with (instruction message) with (advantag\$4 benefi\$4) and (ID header identification) and g06i\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/19 13:05
S307	16	broadcast\$3 with (instruction message) with (advantag\$4 benefi\$4) same (ID header identification) and g06i\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/19 13:05
S308	501	fixed with function with (accelerator coprocessor dsp slave)	US-PGPUB; USPAT	OR	ON	2008/08/19 16:41
S309	86	(fixed static) near3 function\$4 with (accelerator coprocessor dsp slave) and g06i\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/19 16:41
S310	76	(fixed static) near3 function\$4 with (accelerator coprocessor dsp) and g06i\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/19 16:42
S311	72	fixed near3 function\$4 with (accelerator coprocessor dsp) and g06i\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/19 16:43
S312	3	(hardcoded hardwired hard-wired hard-coded "hard wired" "hard coded") with fixed near3 function\$4 with (accelerator coprocessor dsp) and g06i\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/08/19 16:44
S313	10	(hardcoded hardwired hard-wired hard-coded "hard wired" "hard coded") with fixed with (accelerator coprocessor dsp)	US-PGPUB; USPAT	OR	ON	2008/08/19 16:45

		and g06f\$.ipc.				
S314	913	345/501.cds.	US-PGPUB; USPAT	OR	ON	2008/08/19 16:51
S315	328	345/503.cds.	US-PGPUB; USPAT	OR	ON	2008/08/19 16:51
S316	173	345/503.cds. and (register memory buffer queue fifo) with (input source data value operand) same result	US-PGPUB; USPAT	OR	ON	2008/08/19 16:53
S317	60	345/503.cds. and (register memory buffer queue fifo) with (input source data value operand) same result same transfer\$4	US-PGPUB; USPAT	OR	ON	2008/08/19 16:53
S318	10	345/503.cds. and ((register memory buffer queue fifo) with (input source data value operand) same result same transfer\$4) and (accelerator coprocessor dsp slave) with (fixed static hardcoded hardwired hard-wired hard-coded "hard wired" "hard coded")	US-PGPUB; USPAT	OR	ON	2008/08/19 17:03
S319	43	fpga with (packet message) same header with destination	US-PGPUB; USPAT	OR	ON	2008/10/30 14:57
S320	310	fpga with accelerator	US-PGPUB; USPAT	OR	ON	2008/10/30 14:59
S321	30	fpga with accelerator same (message packet)	US-PGPUB; USPAT	OR	ON	2008/10/30 14:59
S322	15	fpga with accelerator same (message packet) same (register buffer queue fifo memory)	US-PGPUB; USPAT	OR	ON	2008/10/30 15:04
S323	107	fpga with accelerator same (register buffer queue fifo memory)	US-PGPUB; USPAT	OR	ON	2008/10/30 15:04
S324	15	fpga with accelerator same (register buffer queue fifo memory) same (message packet header)	US-PGPUB; USPAT	OR	ON	2008/10/30 15:11
S325	1	"4703475".pn.	US-PGPUB; USPAT	OR	ON	2008/10/30 15:12
S326	2	fpga with instruction with (built-in "built in") with (block CLB hardware)	US-PGPUB; USPAT	OR	ON	2008/10/30 15:14
S327	74	fpga with (built-in "built in") with (block CLB hardware)	US-PGPUB; USPAT	OR	ON	2008/10/30 15:15
S328	557	fpga with (programm\$3 built-in "built in") with (block CLB hardware) with function\$5	US-PGPUB; USPAT	OR	ON	2008/10/30 15:16
S329	13	huisman.xp.	US-PGPUB; USPAT	OR	ON	2008/10/30 15:40
S330	206	((accelerator fpga) with (message packet)).clm.	US-PGPUB; USPAT	OR	ON	2008/10/30 16:57
S331	115	((accelerator fpga) with (message packet)).clm.	US-PGPUB	OR	ON	2008/10/30 16:57
S332	12	((accelerator fpga) with (message packet) with header).clm.	US-PGPUB	OR	ON	2008/10/30 16:57
S333	1	((accelerator fpga) with (message packet) with header with (buffer memory fifo queue register storage)).clm.	US-PGPUB	OR	ON	2008/10/30 16:58
S334	25	((accelerator fpga) with (message packet) with (buffer memory fifo queue	US-PGPUB	OR	ON	2008/10/30 16:59



		register storage)).dm.				
S335	17	fpga near3 crypto\$6	US-PGPUB	OR	ON	2008/10/30 17:11
S336	85	crypto\$6 with (chip engine accelerat\$3) same (encrypt\$3 decrypt\$3) with hardware	US-PGPUB	OR	ON	2008/10/30 17:17
S337	1	fpga near3 crypto\$6	USPAT	OR	ON	2008/10/30 17:18
S338	544	implement\$5 with hardware with (encrypt\$3 decrypt\$3)	USPAT	OR	ON	2008/10/30 17:28
S339	7	implement\$5 with hardware with (encrypt\$3 decrypt\$3) same fpga	USPAT	OR	ON	2008/10/30 17:28
S340	57	fpga near3 (crypto\$6 AES DES)	USPAT	OR	ON	2008/10/30 17:32
S341	413	712/34.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/30 17:57
S342	283	712/35.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/30 17:57
S343	471	712/200.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/30 17:57
S344	788	712/225.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/30 17:57
S345	2	((accelerator fpga) with (message packet) with header with (buffer memory fifo queue register storage))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/30 17:59
S346	14	(DES 3DES) with fpga with hardware	US-PGPUB; USPAT	OR	ON	2008/11/06 13:25
S347	6	(transmit\$4 send\$3) adj back with processor with (encrypt\$3 decrypt\$3)	US-PGPUB; USPAT	OR	ON	2008/11/06 14:31
S348	0	return\$3 adj back with processor with (encrypt\$3 decrypt\$3)	US-PGPUB; USPAT	OR	ON	2008/11/06 14:40
S349	193	return\$3 with processor with (encrypt\$3 decrypt\$3)	US-PGPUB; USPAT	OR	ON	2008/11/06 14:40
S350	23	processor with offload\$3 with (encrypt\$3 decrypt\$3)	US-PGPUB; USPAT	OR	ON	2008/11/06 14:40
S351	47	processor with (encrypt\$3 decrypt\$3) with data with stor\$3 with hard near2 (drive disk)	US-PGPUB; USPAT	OR	ON	2008/11/06 14:51
S352	23	processor with offload\$3 with decrypt\$3	US-PGPUB; USPAT	OR	ON	2008/11/06 14:56
S353	145	DES with intermediate near2 (buffer memory storage)	US-PGPUB; USPAT	OR	ON	2008/11/06 15:50
S354	10	encrypt\$3 and DES with intermediate near2 (buffer memory storage)	US-PGPUB; USPAT	OR	ON	2008/11/06 15:51
S355	11	"pipelined DES"	US-PGPUB; USPAT	OR	ON	2008/11/06 15:53
S356	850	713/150.ccls.	US-PGPUB; USPAT	OR	ON	2008/11/07 12:09
S357	119	pipeline near2 accelerator	US-PGPUB; USPAT	OR	ON	2009/04/08 16:08
S358	62	pipeline near2 accelerat\$3 and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/08 16:08

S359	3199	transmi\$5 with "without" with instruction	US-PGPUB; USPAT	OR	ON	2009/04/08 16:08
S360	6	transmi\$5 with "without" adj execut\$ near3 instruction	US-PGPUB; USPAT	OR	ON	2009/04/08 16:09
S361	18	("20020162086"   "20030115500"   "20030229877"   "20050149898"   "20060206850"   "20070271545"   "3665173"   "5544067"   "5892962"   "5930147"   "5941999"   "5963454"   "6128755"   "6785841"   "6985975"   "7024654"   "7036059"   "7073158").PN.	US-PGPUB; USPAT	OR	ON	2009/04/08 16:10
S362	25	(message packet) with header with (pipeline) with (ID identifier identification)	US-PGPUB; USPAT	OR	ON	2009/09/21 12:34
S363	5	"packet processor" and header with pipeline with (ID identifier identification)	US-PGPUB; USPAT	OR	ON	2009/09/21 12:49
S364	89	(message packet) with header with (integer float\$3) with type	US-PGPUB; USPAT	OR	ON	2009/09/21 14:15
S365	1	(message packet) with header with (integer float\$3) with type same pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 14:15
S366	1	(message packet) with header with (integer float\$3) with type same buffer	US-PGPUB; USPAT	OR	ON	2009/09/21 14:16
S367	89	(message packet) with header with (integer float\$3) with type	US-PGPUB; USPAT	OR	ON	2009/09/21 14:16
S368	27	(message packet) with header near6 (integer float\$3) near3 (type field)	US-PGPUB; USPAT	OR	ON	2009/09/21 14:16
S369	6	(message packet) with header near6 (integer float\$3) near3 type	US-PGPUB; USPAT	OR	ON	2009/09/21 14:17
S370	1761	(message packet) with header near6 (data instruction) near3 type	US-PGPUB; USPAT	OR	ON	2009/09/21 14:19
S371	7	(message packet) with header near6 (data instruction) near2 type same (queue fifo buffer) same pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 14:19
S372	10	(message packet) with header near6 (data instruction) near2 type same pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 14:20
S373	92	(message packet) with header near6 (data instruction) near2 type same buffer	US-PGPUB; USPAT	OR	ON	2009/09/21 14:20
S374	0	(message packet) with header near6 (data instruction) near2 type same integer same float\$3	US-PGPUB; USPAT	OR	ON	2009/09/21 14:21
S375	33	(message packet) with header with type with pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 14:27
S376	3	(fpga accelerator coprocessor dsp) same (message packet) with type with pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 15:33
S377	214	(fpga accelerator coprocessor dsp) same type with pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 15:33
S378	116	(fpga accelerator coprocessor dsp) with type with pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 15:33
S379	9	(fpga accelerator coprocessor dsp) with type with pipeline same (buffer queue	US-PGPUB; USPAT	OR	ON	2009/09/21 15:34

		(fifo)				
S380	2	(fpga accelerator coprocessor dsp) with data near3 type with pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 15:35
S381	539	(fpga accelerator coprocessor dsp) with data with destination	US-PGPUB; USPAT	OR	ON	2009/09/21 15:36
S382	6	(fpga accelerator coprocessor dsp) with data with destination with pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 15:36
S383	19999	(message packet) with header with (type destination)	US-PGPUB; USPAT	OR	ON	2009/09/21 15:38
S384	28	(message packet) with header with (type destination) with pipeline	US-PGPUB; USPAT	OR	ON	2009/09/21 15:38
S385	25	("20020018470"   "20020112091"   "20040019883"   "20040123258"   "20040133763"   "20060036774"   "20060085781"   "20060087450"   "20060101250"   "20060101253"   "20060101307"   "20060149920"   "20060230377"   "20080222337"   "4774574"   "5339413"   "5649135"   "6526430"   "6532009"   "6915502"   "7373432"   "7386704"   "7404170"   "7418574"   "7487302").FN.	US-PGPUB; USPAT	OR	ON	2009/09/21 16:00
S386	1	("5916307").FN.	US-PGPUB; USPAT	OR	ON	2009/09/21 16:00
S387	1	"6308311".FN.	US-PGPUB; USPAT	OR	ON	2009/09/21 16:09
S388	147	accelerator with (packet message) same header	US-PGPUB; USPAT	OR	ON	2009/09/21 16:39
S389	72	accelerator with (packet message) same header same (unit pipeline)	US-PGPUB; USPAT	OR	ON	2009/09/21 16:39
S390	21	("20020083344"   "5434863"   "5463621"   "5490252"   "5822319"   "5978844"   "5982296"   "6112248"   "6122285"   "6272522"   "6385657"   "6496510"   "6501761"   "6604147"   "6611522"   "6704794"   "6724769"   "6771862"   "6947410"   "7068656"   "7092392").FN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/21 17:37
S391	3	("7177310").URFN.	USPAT	OR	ON	2009/09/21 17:46
S392	8693	(fifo buffer queue) with (address\$2 pointer) with (output processed) near4 (packet data)	USPAT	OR	ON	2009/09/22 12:19
S393	299	(fifo buffer queue) near2 stor\$3 near2 (address\$2 pointer) with (output processed) near4 (packet data)	USPAT	OR	ON	2009/09/22 12:19
S394	190	(fifo buffer queue) near2 stor\$3 near2 (address\$2 pointer) near5 (output processed) near3 (packet data)	USPAT	OR	ON	2009/09/22 12:19
S395	30	(fifo buffer queue) near2 stor\$3 near2 (address\$2 pointer) near5 (output processed) near3 packet	USPAT	OR	ON	2009/09/22 12:21
S396	52	(fifo buffer queue) near2 stor\$3 near2 (address\$2 pointer) near5 (output processed) near3 packet	US-PGPUB; USPAT	OR	ON	2009/09/22 12:24
S397	3	"Packet Switching Module".ti.	IBM_TDB	OR	ON	2009/09/22 12:48

S398	11760	packet with header with (size length)	US-PGPUB; USPAT	OR	ON	2009/09/22 13:54
S399	88	packet with header with (size length) with purpose	US-PGPUB; USPAT	OR	ON	2009/09/22 13:55
S400	4375	370/392.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/22 17:15
S401	46	huisman.xp.	US-PGPUB; USPAT	OR	ON	2010/02/18 14:39
S402	79	accelerator with (packet message) same header same (unit pipeline)	US-PGPUB; USPAT	OR	ON	2010/02/22 11:09
S403	1	accelerator with (packet message) same header same (unit pipeline)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 11:09
S404	2857	(message packet) with (ID address identifi\$6) with (pipeline "execution unit" core processor cpu) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:54
S405	199	(message packet) with header with (ID address identifi\$6) with (pipeline "execution unit" core processor cpu) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:54
S406	35	(buffer\$3 queue) same (message packet) with header with (ID address identifi\$6) with (pipeline "execution unit" core processor cpu) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:55
S407	35	(buffer\$3 queue fifo) same (message packet) with header with (ID address identifi\$6) with (pipeline "execution unit" core processor cpu) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:55
S408	5	(buffer\$3 queue fifo) same (message packet) with header with (ID address identifi\$6) with (pipeline "execution unit" core) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:57
S409	95	(message packet) with (ID address identifi\$6) near4 (pipeline "execution unit" "functional unit" core) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:58
S410	53	(message packet) with (ID identifi\$6) near4 (pipeline "execution unit" "functional unit" core) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:58
S411	28	(receiv\$3 buffer queue fifo) same (message packet) with (ID identifi\$6) near4 (pipeline "execution unit" "functional unit" core) with execut\$3	US-PGPUB; USPAT	OR	ON	2010/07/20 16:59
S412	18	(receiv\$3 buffer queue fifo) same (message packet) with (ID identifi\$6) near4 (pipeline "execution unit" "functional unit" core) with execut\$3 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/07/20 16:59
S413	35	(receiv\$3 buffer queue fifo) same (message packet) with (ID identifi\$6) near4 (pipeline "execution unit" "functional unit" core) with process\$3 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:15
S414	9	("5363377"   "5384563"   "5483533"   "5699519"   "6282578"   "6314501"   "6340977"   "6546417"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/20 17:21

		"6584568".PN.					
S415	1	("6792603").URPN.	USPAT	OR	ON	2010/07/20 17:24	
S417	16	(message packet) with ("input buffer" "input queue" "input fifo") same header with (ID address identi\$6) with (core pipeline unit) with (execut\$3 process\$3)	US-PGPUB; USPAT	OR	ON	2010/07/20 17:26	
S418	119	(message packet) with ("input buffer" "input queue" "input fifo") and header with (ID address identi\$6) with (core pipeline unit) with (execut\$3 process\$3)	US-PGPUB; USPAT	OR	ON	2010/07/20 17:29	
S419	99	(message packet) with ("input buffer" "input queue" "input fifo") and header with (ID address identi\$6) with (core pipeline unit) with (execut\$3 process\$3) and ("output buffer" "output queue" "output fifo")	US-PGPUB; USPAT	OR	ON	2010/07/20 17:31	
S420	25	(message packet) with ("input buffer" "input queue" "input fifo") and header with (ID address identi\$6) with (core pipeline unit) with (execut\$3 process\$3) and ("output buffer" "output queue" "output fifo") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:31	
S421	336	(message packet) with header with (ID address identi\$6) with (core pipeline unit) with (execut\$3 process\$3) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:42	
S422	68	(message packet) with header with (ID address identi\$6) near3 (core pipeline unit) with (execut\$3 process\$3) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:43	
S423	5	(message packet) with header with (ID address identi\$6) near3 (core pipeline unit) with (execut\$3 process\$3) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:48	
S424	0	(message packet) with header with (ID address identi\$6) near3 ((execution function\$2) adj unit) with (execut\$3 process\$3) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:49	
S425	3	(message packet) with header with (ID address identi\$6) with (core pipeline unit) with (execut\$3 process\$3) and g06f\$.ipc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/20 17:50	
S426	1	(message packet) with ("input buffer" "input queue" "input fifo") and header with (ID address identi\$6) with (core pipeline unit) with (execut\$3 process\$3)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/20 17:51	
S427	3	(message packet) with header with (ID address identi\$6) with (pipeline "execution unit" core processor cpu) with execut\$3	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/20 17:51	
S428	2	("6282627" "6326806").pn.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:56	
S429	8	("7284225" "5978578" "6606360" "6247134" "5371896" "7143302" "6202139" "5421028").pn.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:58	

S430	11	("6363465" "5694371" "5996059" "6009531" "5524075" "6925549" "5710910" "6611920" "6516420" "5440682" "5648732").pn.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:58
S431	7	("4782461" "5987620" "6115047" "6477170" "7000213" "7260794" "5361373").pn.	US-PGPUB; USPAT	OR	ON	2010/07/20 17:59
S432	2	("20010047509" "20040170070").pn.	US-PGPUB; USPAT	OR	ON	2010/07/20 18:00
S433	4	("20040044915" "20020066910" "20020120883" "20020144175").pn.	US-PGPUB; USPAT	OR	ON	2010/07/20 18:00
S434	1	"7143418".pn.	USPAT	OR	OFF	2011/01/27 14:24
S437	1	"20020126680".pn.	US-PGPUB; USPAT	OR	OFF	2011/01/27 14:28
S438	1	"5732107".pn.	US-PGPUB; USPAT	OR	OFF	2011/01/27 14:39
S439	1	"6708239".pn.	USPAT	OR	OFF	2011/01/27 14:42

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